| Index of C | laims |
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Application No.

10/009,723

Examiner

Applicant(s)

SHITARA ET AL.

Art Unit

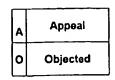
James L Grun

1641

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| , | Interference |



|          |                                       |         | <u> </u> |          |        |          |  | ٠ ١ |   |        |     |        |                                       |
|----------|---------------------------------------|---------|----------|----------|--------|----------|--|-----|---|--------|-----|--------|---------------------------------------|
|          |                                       |         |          |          |        |          |  |     |   | _      | (   |        |                                       |
| Cla      | aim                                   | Ь,      | _        | ۸_       | _[     | Date     | <del>-</del>                                     |     |   | 긕      | ļ   | Cla    | im                                    |
| 1        | 70                                    | ٠       | 8<br>8   | 20       |        | l        |  | - 1 |   | I      |     | _      | ল                                     |
| Final    | Original                              | 3       |          | $\sim$   |        |          |  |     |   |        |     | Final  | Original                              |
| itt      | Ĕ                                     | 22      | 13       | 14       |        |          |  |     |   | ı      | ĺ   | Œ      | 5                                     |
| l        |                                       | 17/11/6 | 16       | 2        | Д      |          |  |     |   | ᆜ      | - 1 |        | - I                                   |
|          | X                                     | Ž       | V        |          |        |          |  |     |   | $\Box$ | J   |        | 51<br>52<br>33<br>41                  |
|          | 1                                     | 1       | V        | ,        |        |          |  |     |   |        |     |        | 54                                    |
|          |                                       | П       | V        |          |        |          |  |     |   |        |     |        | 93                                    |
|          | H                                     | П       | T        |          |        |          |  |     |   |        |     |        |                                       |
|          | H                                     | П       | Π        |          |        |          |  |     |   |        | -   |        | 55<br>56                              |
|          | H                                     | П       | П        |          |        |          |  |     |   |        |     |        | 50                                    |
|          | Ħ                                     | П       | π        |          |        |          |  |     |   |        |     |        | 5                                     |
|          | 1                                     | П       | П        |          |        |          |  |     |   |        |     |        | 5                                     |
|          | 9                                     | П       | П        |          |        |          |  |     |   |        |     |        | 5                                     |
|          | 10                                    | П       | П        |          |        |          |  |     |   |        |     |        | 6                                     |
|          | 11                                    |         | П        | V        |        |          |  |     |   |        |     |        | 6                                     |
|          | 32                                    | П       | Π        |          |        |          |  |     |   |        |     |        | eb)                                   |
|          | 13                                    |         | П        | V        |        |          |  |     |   |        |     |        | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
|          | 14                                    | П       | П        | V        | Г      | П        |  |     |   |        | i   | Ĺ      | 41                                    |
|          | 15                                    | 17      | П        | 1        |        |          |  |     |   |        |     |        | A                                     |
|          | 16                                    | П       | П        | フ        | 1      |          |  |     |   |        | •   |        | 66                                    |
|          | 17                                    | П       | П        | 1/       | 1      | Г        |  |     |   |        |     |        | 67                                    |
|          | 18                                    | П       | П        | 17       | 1      |          |  | Г   | Г |        |     |        | 68<br>69                              |
|          | 19                                    | П       | П        | V        | 1      | П        | Г  |     |   |        |     |        | 69                                    |
|          | 20                                    | П       | π        | 1        | 1      | Г        | Γ  |     | Г |        |     |        | 70                                    |
|          | 25                                    | П       | Ħ        | -        | Τ      | Τ        |  | Г   |   | Г      | İ   | Г      | 71                                    |
|          | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 11      | 11       | ┢        | Г      | 1        |  | Γ   | Г |        | ŀ   |        | 72<br>73                              |
|          | 123                                   | Ħ       | П        | $\vdash$ | Т      |          | Г  | Г   | Г |        |     |        | 73                                    |
|          | 24                                    | 11      | 11       |          |        | $\vdash$ | Г  | Г   |   |        |     |        | 74                                    |
|          | 2                                     | 11      | Ħ        |          | Т      |          | Γ  | Г   |   |        | ĺ   |        | 75                                    |
| <u> </u> | 128                                   | 11      | 17       |          |        | 1        | Π  | Г   |   |        |     |        | 76                                    |
|          | <del>  21</del>                       | 11      | Ħ        | 1        | 1      | $\top$   | $\vdash$   | 1   |   | Γ      | 1   |        | 77                                    |
| <u> </u> | 1                                     | Ħ       | T        | T        |        | T        | Γ  |     | Г |        | l   |        | 78                                    |
|          | 131                                   | 11      | Ň        | 1        | Т      | 1        | 1  |     | Π | Γ      | ľ   |        | 79                                    |
| <u> </u> | 35                                    | Ħ       | 1        | 1        | 厂      | ╁        |  | Г   |   | 1      | 1   |        | 80                                    |
| 1        | 131                                   | 11      | 11/      | ∤-       | ✝      | T        | Τ  |     | 1 |        | 1   |        | 80<br>81                              |
|          | 136                                   | 11      | N        |          | 1      | t        | 1  | T   | T | Г      | 1   |        | 82<br>83                              |
| -        | 1.35                                  | Ħ       | N        | 1        | t      | 1-       |  | T   | Π | 1      | 1   |        | 83                                    |
| -        | 134                                   | ††      | N.       | 1        | 1-     | T        | 1-   | Т   |   |        | 1   |        | 84<br>85                              |
| -        | 15                                    | 11      | ₩,       | +        | 1      | 1        | 1  | T   | 1 | Г      | 1   |        | 85                                    |
|          | 6                                     | #       | Ħ        | t        | †      | 1        | Τ  | ⇈   | Ī | Γ      | 1   |        | 86                                    |
|          | 17                                    | #       | ††       | T        | $\top$ | T        | <del>                                     </del> | Π   | T | Τ      | 1   |        | 87                                    |
| _        | 17<br>138                             | 11      | Ħ        | T        | T      | $\top$   | 1  | Γ   | Τ | Π      | }   |        | 87<br>88<br>89<br>90                  |
|          | 懂                                     | 11      | Ħ        | t        | T      | 1        | 1  | Τ   | Т | t      | 1   |        | 89                                    |
| -        | 146                                   | 11      | Ħ        | 1        | 1      | 1        |  | 1   | 1 | Τ      | 1   |        | 90                                    |
| -        | 30 12                                 | #       | ††       | 十        | ✝      | 1        | 1-   | 1   | Τ | 1      | 1   |        | 91                                    |
| -        | 1 13                                  | #       | Ħ        | t        | ✝      | $\top$   | T  | T   | 1 | Т      | 1   |        | 92                                    |
|          | <del>  13</del>                       |         | ††       | +        | T      | $\top$   | 1  | 1   | T | Т      | 1   |        | 93                                    |
| -        | 43 44 49 49 50                        | ╫       | ††       | +        | T      | T        | T  | Τ   | 1 | Τ-     | 1   |        | 94                                    |
| <u> </u> | 1 1                                   | ╫       | ††       | †        | T      | 1        | T  | İ   | T | T      | 1   |        | 95                                    |
| $\vdash$ | 17                                    | #       | ††       | T        | 十      | $\top$   | T  | t   | 1 | Т      | 1   |        | 96                                    |
| <u> </u> | 17                                    | #       | ††       | 十        | T      | T        | t  | 1   | T | 1      | 1   |        | 97                                    |
|          | 144                                   | ††      | Ĭ,       | /        | T      | T        | T  | 1   | 1 | 1      | 1   |        | 98                                    |
|          | 148                                   | 13      | 17       | /        | T      | 1        | T  | 1   | T | Τ      | 1   | $\Box$ | 99                                    |
|          | 136                                   | į       | 1        | 1        | Τ      | T        | Т  | T   | 1 | 1      | 1   |        | 100                                   |
| ·        | <u>, -r</u>                           | 10      | т.       |          | -      | _        | _  | _   | · | _      | -   |        |                                       |

|       |   |              |          |               |              |              |          |              |              | _        | Claim Date |  |            |               |              |              |                    |          |              |           |              | _                                       |
|-------|---|--------------|----------|---------------|--------------|--------------|----------|--------------|--------------|----------|------------|--|------------|---------------|--------------|--------------|--------------------|----------|--------------|-----------|--------------|---|
| Cla   | im                                      | <u> </u>     | ` ہے     | ₩-            |              | ate          | <u> </u> | <del>,</del> | _            | ᅱ        |            | _Cla   | ıım        | _             |              | -,           | 4                  | Jall     | ;<br>        |           | _            |   |
| Final | Original                                | 40/21/       | 40/S)    | 17/08         |              |              |          |              |              |          |            | Final  | Original   |               |              |              |                    |          |              |           |              |   |
| _     |   | 12           | 7        | 9             | Ш            | Ц            | Щ        |              |              | Ц        |            |  | 101        | Н             | Н            | $\dashv$     | $\vdash$           | $\vdash$ | Н            | $\vdash$  | 4            | _                                       |
|       | 5 5 5                                   | 7            | N        | Щ             | Н            |              |          | -            | Н            | Н        |            |  | 101        | $\vdash$      | $\vdash$     | -            | Н                  | H        | Н            | $\dashv$  | $\dashv$     |   |
|       | 1                                       | -            | Ŋ        | Щ             | Н            | Н            | Н        | $\vdash$     | Н            | Н        |            |  | 102        | $\vdash$      | Н            | $\dashv$     | $\vdash$           | $\vdash$ | Н            | $\vdash$  | $\dashv$     | _                                       |
|       | 37                                      | Н            | M        |               | Н            | Н            | Н        | $\vdash$     | Н            | Н        |            |  | 103        | Н             | Н            | Н            | Н                  | Н        | $\vdash$     | $\vdash$  | -            | _                                       |
|       | 2                                       | +            | H        | -             | $\vdash$     | $\vdash$     | Н        | Н            | Н            | Н        |            |  | 105        | H             | Н            | $\dashv$     | -                  | П        | М            | П         | H            | _                                       |
| _     | 5                                       | +            | Н        | Н             | $\vdash$     | -            | Н        | Н            | Н            | Н        |            |  | 106        | Н             | H            | $\neg$       | М                  |          | П            | П         |              |   |
| -     | 5                                       | H            | HH       | -             | Н            |              | Н        |              | Н            | Н        |            |  | 107        | Н             | Ħ            | Н            |                    |          |              |           |              | _                                       |
|       | 57<br>58                                | #            | H        | Н             | Н            | H            | Н        | Н            | Н            | М        |            |  | 108        |               |              |              |                    |          |              |           |              | _                                       |
| _     | 5                                       | #            | H        | <b>-</b>      | П            |              | П        |              |              | П        |            |  | 109        |               |              |              |                    |          | $\Box$       |           |              | _                                       |
| _     | 5                                       | 1            |          |               |              |              |          |              |              |          |            |  | 110        | $\Box$        |              |              | Ĺ                  | لَــا    | $\Box$       | $\square$ | $\sqcup$     |   |
|       | 6                                       | I            |          |               |              |              |          |              |              |          |            |  | 111        | $\Box$        | Ш            | Ш            | $oxedsymbol{oxed}$ |          | L            | Ш         | Ш            |   |
|       | 64                                      | $\prod$      |          | $\sqsubseteq$ | $\Box$       |              | $\Box$   |              | Ĺ            | $\Box$   |            |  | 112        | $\sqsubseteq$ | Ц            | Щ            |                    | $\vdash$ |              | $\vdash$  | Ц            |   |
|       | d)                                      | Щ            | 22       | L             | $\Box$       | $\Box$       | Ц        | Ш            | ļ            | L        |            |  | 113        | <u> </u> _    |              | H            | <u> </u>           | -        | <del> </del> | $\vdash$  | Н            | _                                       |
|       | 6 8 8 8 8 6 8 6 8 8 8 8 8 8 8 8 8 8 8 8 | μĪ           | M        |               | لرا          | <u> </u>     | $\sqcup$ | Ш            | <u> </u>     | $\vdash$ |            |  | 114        | _             | $\vdash$     |              | -                  | -        | -            | $\vdash$  | Н            | _                                       |
|       | 75                                      | =            | 7        |               | $\angle$     | _            | $\sqcup$ | Ш            | <u> </u>     | <u> </u> |            |  | 115        |               | $\vdash$     | H            | -                  | -        | -            | $\vdash$  | Н            | _                                       |
|       |   | Ĺ            | $\sqcup$ | V             | -            | <u> </u>     | $\vdash$ | Н            |              | $\vdash$ |            |  | 116<br>117 | $\vdash$      | $\vdash$     | H            | -                  | $\vdash$ | -            | $\vdash$  | Н            | -                                       |
| _     | 67                                      | 1            |          | $\vdash$      | 1            | -            | -        | $\vdash$     | -            | $\vdash$ |            | -  | 117        | $\vdash$      | $\vdash$     | $\vdash$     | -                  | $\vdash$ | ⊢            |           | Н            |   |
|       | 68                                      | +            | $\vdash$ | -             | -            | -            | -        | $\vdash$     | <del> </del> | $\vdash$ |            |  | 118        | -             | $\vdash$     | $\vdash$     | $\vdash$           | $\vdash$ | -            | Н         | Н            | -                                       |
|       | 69                                      | +-           | Н        | +-            | -            | $\vdash$     | -        | -            | -            | $\vdash$ |            | -  | 120        | <del> </del>  | $\vdash$     | $\vdash$     | $\vdash$           |          |              | М         | Н            | -                                       |
| _     | 70<br>71                                | +-           | -        | 1             | ╁            | $\vdash$     | -        | H            | -            | +        |            | <del> </del>                                     | 121        | 1             |              | _            | T                  |          | Η-           | Г         | П            |   |
|       | 72                                      | +            | $\vdash$ | $\vdash$      | $\vdash$     | +            | $\vdash$ | -            | $\vdash$     | $\vdash$ | 1          | <u> </u>   | 122        | 1             |              | $\vdash$     | $\vdash$           | $\vdash$ | 1            | 1         |              |   |
| _     | 73                                      | +-           | 1        | 1-            | $\vdash$     | +-           | $\vdash$ |              | $\vdash$     | +        | 1          |  | 123        | Г             |              | _            | $\vdash$           | $I^{-}$  | Γ            | $\Gamma$  |              |   |
| -     | 74                                      | $\vdash$     | 1        | 1             | $\vdash$     | t            | $\vdash$ |              | 1            | 1        | 1          |  | 124        |               | Г            |              |                    | Γ        |              |           |              |   |
| _     | 75                                      | 1            |          |               | -            | $\vdash$     | Γ        |              | Т            |          | 1          |  | 125        |               | Γ            |              | Г                  | $\Box$   |              | $\Box$    |              | Ĺ                                       |
| -     | 76                                      | T            | 1        | Г             | T            |              | Γ        |              | Γ            |          |            |  | 126        |               |              | $\Box$       | $\sqsubset$        | L        | $\Box$       | Ĺ         | $\Box$       | Ĺ                                       |
|       | 77                                      | Τ            | 1        |               | Γ            | Γ            | Γ        |              |              |          | ]          |  | 127        | L             | $\Box$       | L            | Ĺ                  | Ĺ        | Ĺ            | L         |              | ـــــــــــــــــــــــــــــــــــــــ |
|       | 78                                      | Π            |          | Γ             | Γ            |              |          |              |              |          | 1          |  | 128        | <u> </u>      | سَا          | Ĺ            | $\vdash$           | <u>_</u> | 1            | Ц_        | $\vdash$     | -                                       |
| _     | 79                                      | Γ            |          | $\Box$        |              |              |          | $\Box$       | $\Box$       | $\Box$   | 1          | <u> </u>   | 129        | L             | $\vdash$     | <u> </u>     | ļ_                 | Ļ        | <del> </del> | $\vdash$  | _            | -                                       |
| _     | 80                                      |              | $\Box$   | $\Box$        | 匚            | $\Box$       | Ĺ        | Ĺ            | Ĺ            | Ĺ        | 1          | <u> </u>   | 130        | $\vdash$      | 1            | <b> </b> _   | 1                  | ₩        | ـ            | $\vdash$  | <del> </del> | $\vdash$                                |
| _     | 81                                      | $\Box$       | L        | Ĺ             | 匚            | Ĺ            | Ĺ        | L            | Ĺ            | L        | Į          | <u> </u>   | 131        | <del> </del>  | <del> </del> | <del> </del> | $\vdash$           | $\vdash$ | $\vdash$     | -         | $\vdash$     | $\vdash$                                |
|       | 82                                      | Ĺ            | Ĺ        | 1             | Ļ            | L            | <u> </u> | <u> </u>     | <u> </u>     | $\vdash$ | 1          | <u> </u>   | 132        | 1             | $\vdash$     | $\vdash$     | -                  | +-       | +            | -         | -            | $\vdash$                                |
|       | 83                                      | Ĺ            | L        | L             | L            | <del> </del> | -        | -            | -            | 1        | 1          | <b> </b>   | 133        | +             | +            | -            | $\vdash$           | $\vdash$ | +-           | +         | -            | $\vdash$                                |
|       | 84                                      | 1            |          | 1             | <del> </del> | -            | 1        | +            | $\vdash$     | $\vdash$ | 1          | <u> </u>   | 134<br>135 | +             | -            | <del> </del> | $\vdash$           | +        | +            | +-        | $\vdash$     | -                                       |
|       | 85                                      | <del> </del> |          | ⊢             | ⊢            | ⊬            | -        | -            | +            | $\vdash$ | 1          | <del> </del>                                     | 135        | +-            | +            | -            | +                  | +        | $\vdash$     | $\vdash$  | $\vdash$     | 1                                       |
|       | 86                                      | +            | $\vdash$ | ₩             | +            | ┼-           | +-       | $\vdash$     | $\vdash$     | +-       | 1          | -  | 136        | +             | +            | +            | +                  | $\vdash$ | +            | $\vdash$  | +-           | -                                       |
| _     | 87                                      | +-           | +-       | +-            | +-           | $\vdash$     | $\vdash$ | $\vdash$     | -            | +        | 1          | <del>                                     </del> | 138        | <del> </del>  | T            | 1-           | +                  | T        | 1            | 1         |              | Ι-                                      |
|       | 88<br>89                                | +            | +        | +             | +-           | $\vdash$     | +        | $\vdash$     | -            | +        | 1          | -  | 139        | 1             | +            | $\vdash$     | T                  | 1        | 1            | T         | Τ            | Γ                                       |
|       | 90                                      | +            | +        | +             | 1            | +            | +        | $\vdash$     | $\vdash$     | T        | 1          | $\vdash$   | 140        | 1             | 1            | Π            | Π                  | Г        | Γ            | Γ         |              |   |
|       | 91                                      | +-           | +        | 1             | 1            | †            | 1        | 1            | Τ            | T        | 1          |  | 141        | Ι             | Γ            | Γ            | Γ                  | Γ        | Γ            | Г         | $\Box$       |   |
|       | 92                                      | T            | +        | T             | T            | $\top$       | 1        | T            | Τ            | T        | ]          |  | 142        | Γ             |              | Γ            | $\Gamma$           | Γ        | L            | 匚         | L            | Ĺ                                       |
|       | 93                                      | T            | T        | T             | _            | 1            | Τ        | Γ            |              | Γ        | ]          |  | 143        | $\Box$        | $\Gamma$     | $\Gamma$     | $\Box$             | L        | $\Box$       | 匚         | Ľ            | Ĺ                                       |
| _     | 94                                      | 丁            | Γ        | Ι             | Γ            | Γ            | Γ        | Γ            | $\Gamma$     | $\Gamma$ | ]          |  | 144        | $\perp$       | Ĺ            | Ĺ            | L                  | 匚        | L            | 1         | $\vdash$     | <u> </u>                                |
| _     | 95                                      | Γ            | Γ        | Γ             | Γ            | Γ            | $\Box$   | $\Box$       | L            | $\Box$   | 1          | $oxedsymbol{oxed}$                               | 145        | Ļ             | Ĺ            | Ĺ            | Ĺ                  | Ļ        | L            | +         | <b>—</b>     | -                                       |
| _     | 96                                      | Γ            | 匚        | Γ             | $\Gamma$     |              | $\Box$   | $\Box$       | $\sqsubset$  | $\Box$   | Į          | <u></u>  | 146        | 1             | $\perp$      | ļ.,          | +                  | 4        | +            | +         | -            | <del> </del>                            |
| _     | 97                                      | I            | $\Box$   | $\Box$        | 匚            | Ĺ            | Ĺ        | Ĺ            | Ļ            | Ļ        | 1          | <u> </u>   | 147        | +             | -            | ├-           | 1-                 | +        | +            | +         | +            | $\vdash$                                |
|       | 98                                      | L            | Ĺ        | Ĺ             | Ļ            | 1            | L        | L            | 1            | 1        | ł          | <u></u>  | 148        | ╀             | +-           | ├-           | +                  | +        | +-           | +-        | +-           | $\vdash$                                |
|       | 99                                      | 1            | +        | 4-            | $\vdash$     | ـ            | 1        | <del> </del> | +            | +        | 1          | ├-   | 149<br>150 | +             | +            | ╁            | +                  | +        | +            | +         | +            | $\vdash$                                |
|       | 100                                     | <u>'</u>     | <u>L</u> | L             | _            | 上            |          | _            | 1_           | _        | J          | <u> </u>   | T 120      | 1_            | _            | _            | _                  |          | ـ.ـ          | 1_        |              | <u> </u>                                |
|       |   |              |          |               |              |              |          |              |              |          |            |  |            |               |              |              |                    |          |              |           |              |   |